

Data File : VW017393.D
Acq On : 20 Nov 2020 00:43
Operator : SY/VA
Sample : L4794-15
Misc : 4.74G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0BD7

Quant Time: Nov 20 04:39:48 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 20 04:37:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	473639	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	441422	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	196080	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	131780	18.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.16%
7) Chloroethane-d5	2.89	69	108317	19.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.80%
10) 1,1-Dichloroethene-d2	4.02	63	172251	14.04	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	56.16%
20) 2-Butanone-d5	7.08	46	39989	34.73	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	69.46%
24) Chloroform-d	7.65	84	246399	19.80	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	79.20%
26) 1,2-Dichloroethane-d4	8.39	65	162	0.03	ug/L	0.08
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.12%#
29) Benzene-d6	8.27	84	491967	19.77	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	79.08%
33) 1,2-Dichloropropane-d6	9.27	67	135851	20.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	81.96%
37) Toluene-d8	10.32	98	469368	20.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	80.16%
38) trans-1,3-Dichloropropene-	10.58	79	51481	17.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	71.36%
39) 2-Hexanone-d5	10.93	63	29561	33.25	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	66.50%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	94399	18.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	75.16%
61) 1,2-Dichlorobenzene-d4	13.85	152	151391	20.91	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.64%

Target Compounds

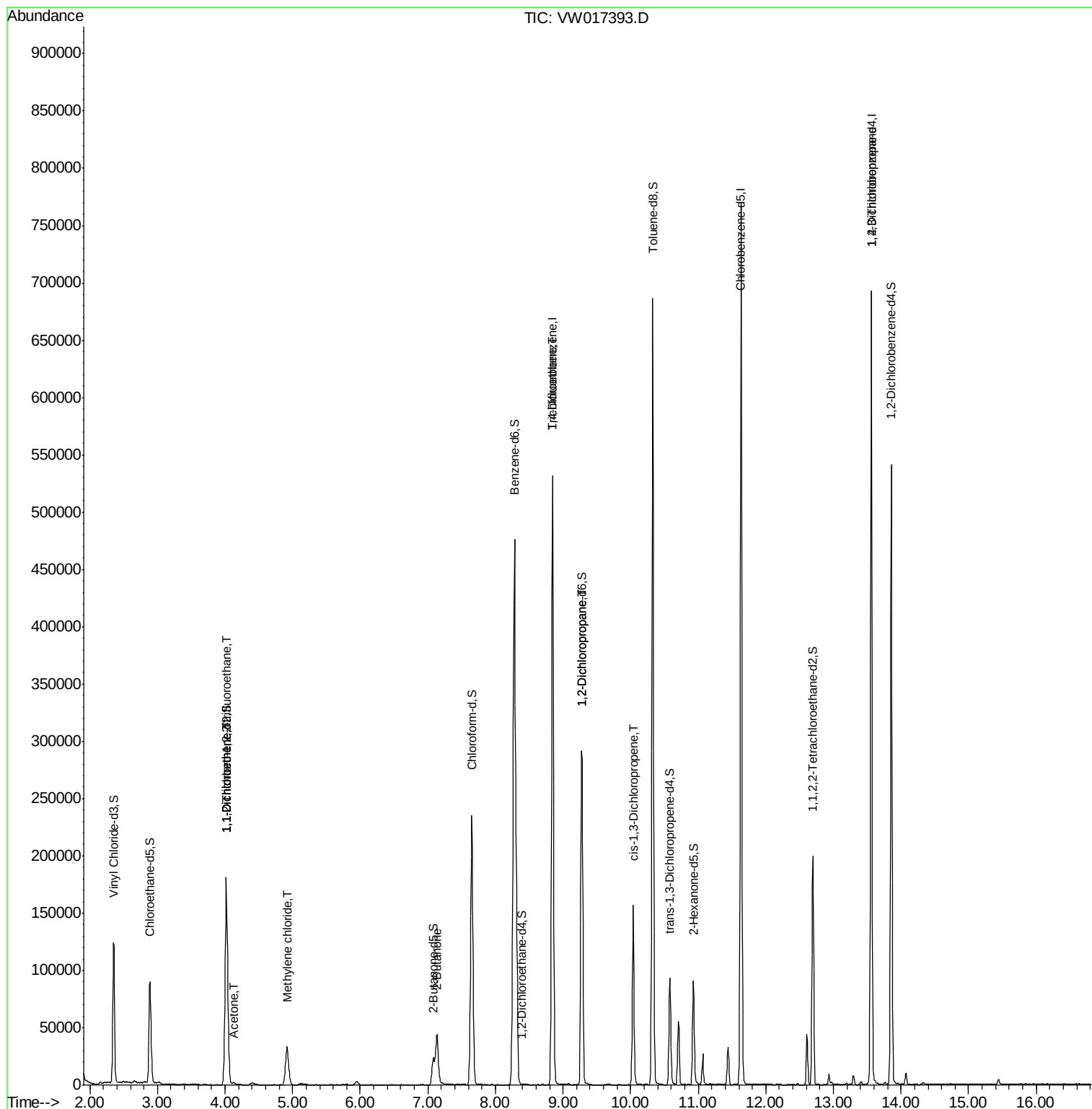
						Qvalue
11) 1,1,2-Trichloro-1,2,2-trif	4.03	101	1737	0.268	ug/L #	16
12) 1,1-Dichloroethene	4.01	96	1627	0.261	ug/L #	1
13) Acetone	4.13	43	3359	3.998	ug/L	92
16) Methylene chloride	4.92	84	27645	3.412	ug/L	97
21) 2-Butanone	7.14	43	1316	1.022	ug/L	87
35) Trichloroethene	8.85	95	13992	1.984	ug/L #	2
40) 1,2-Dichloropropane	9.27	63	15523	2.752	ug/L #	85
42) cis-1,3-Dichloropropene	10.04	75	4408	0.504	ug/L #	57
59) 1,2,3-Trichloropropane	13.56	75	20857	6.001	ug/L	99

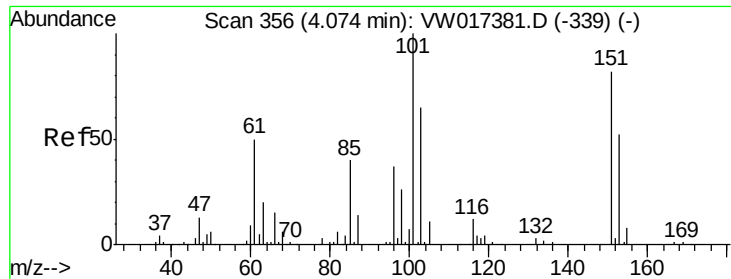
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.268 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.05 min

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Acq: 20 Nov 2020 00:43

Instrument :

MSVOA_W

ClientSampleId :

C0BD7

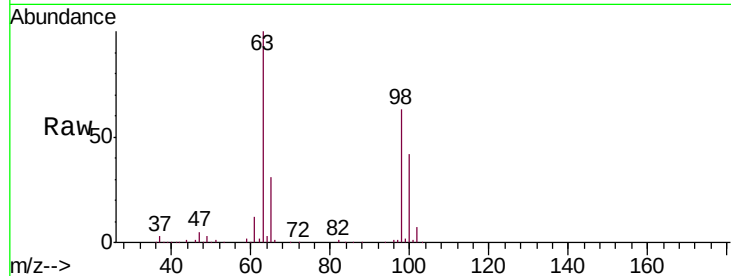
Tgt Ion: 101 Resp: 1737

Ion Ratio Lower Upper

101 100

85 0.0 34.6 51.8#

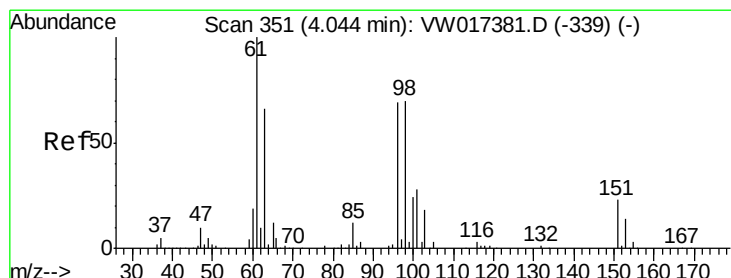
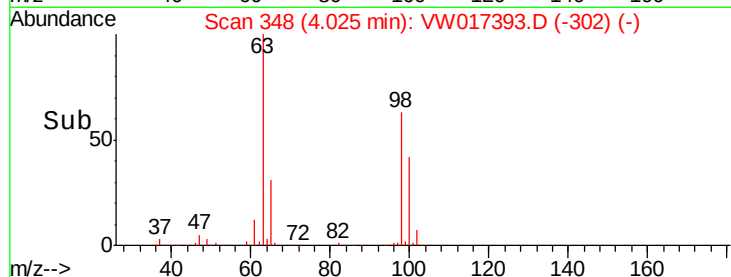
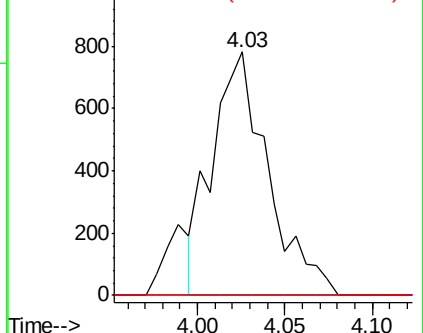
151 0.0 66.3 99.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.261 ug/L

RT: 4.01 min Scan# 346

Delta R.T. -0.03 min

Lab File: VW017393.D

Acq: 20 Nov 2020 00:43

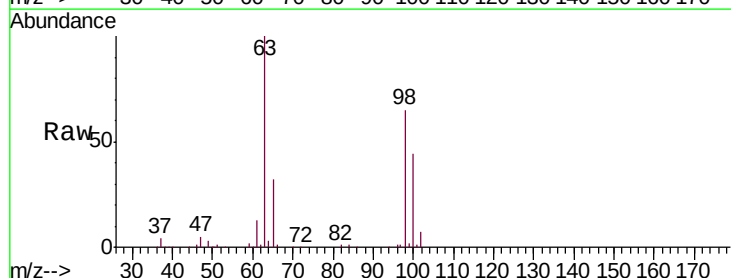
Tgt Ion: 96 Resp: 1627

Ion Ratio Lower Upper

96 100

61 1163.3 104.7 194.4#

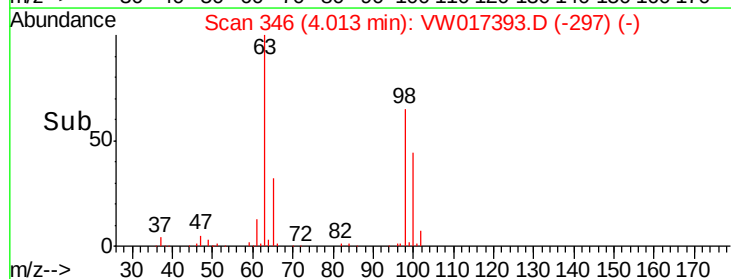
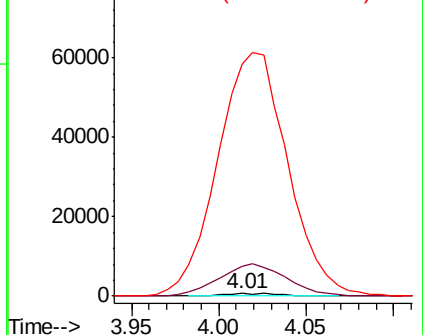
63 8881.6 69.6 129.2#

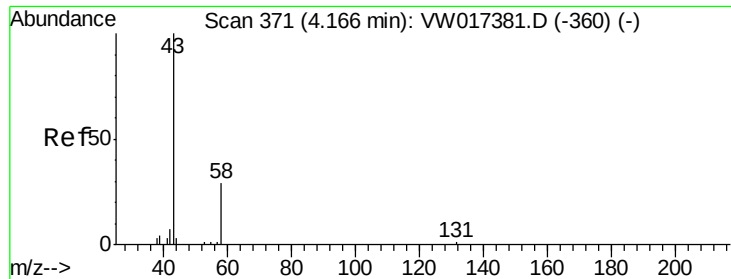


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 3.998 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.04 min

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Acq: 20 Nov 2020 00:43

Instrument :

MSVOA_W

ClientSampled :

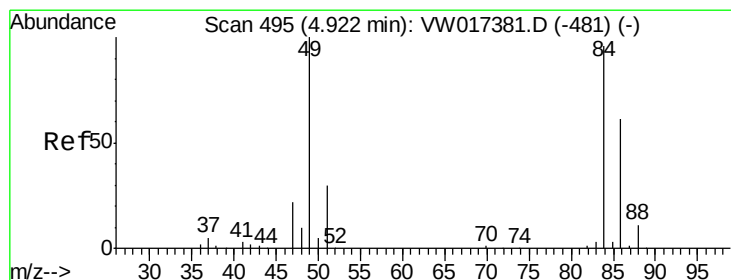
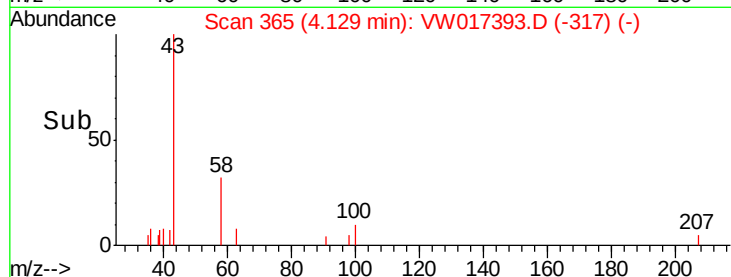
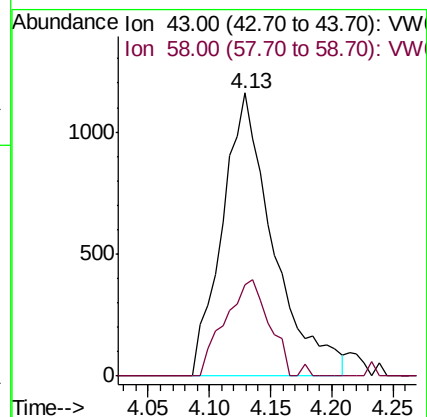
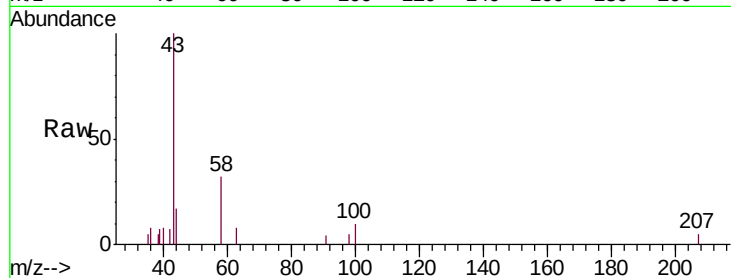
C0BD7

Tgt Ion: 43 Resp: 3359

Ion Ratio Lower Upper

43 100

58 29.2 0.0 67.0



#16

Methylene chloride

Concen: 3.412 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW017393.D

Acq: 20 Nov 2020 00:43

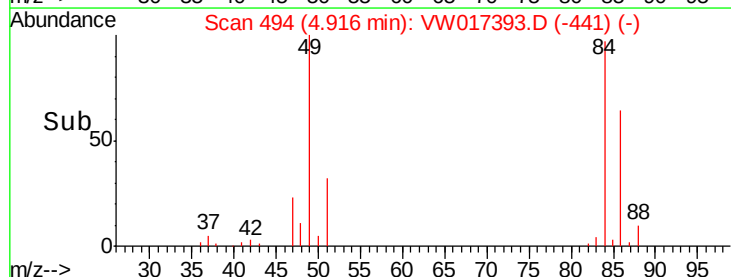
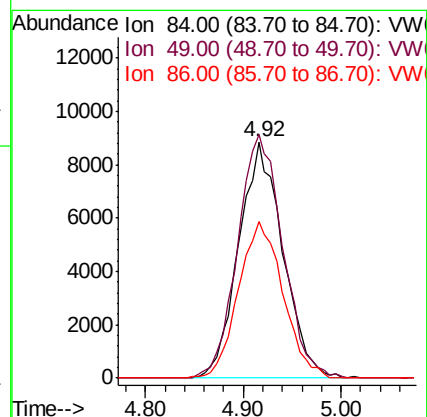
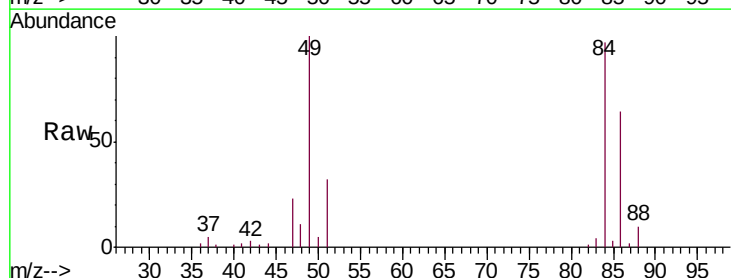
Tgt Ion: 84 Resp: 27645

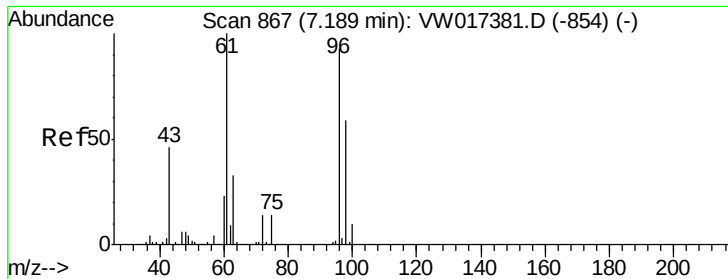
Ion Ratio Lower Upper

84 100

49 103.0 71.5 132.9

86 66.4 42.8 79.4





#21

2-Butanone

Concen: 1.022 ug/L

RT: 7.14 min Scan# 859

Delta R.T. -0.05 min

Lab File: VW017393.D

Acq: 20 Nov 2020 00:43

Instrument :

MSVOA_W

ClientSampleId :

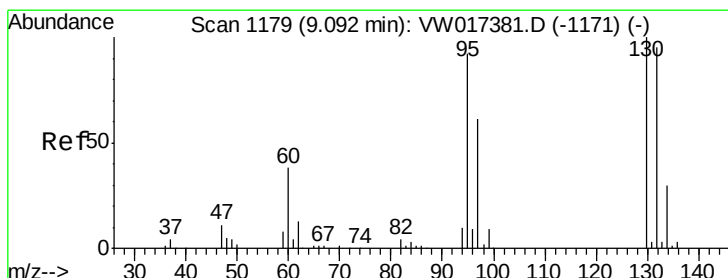
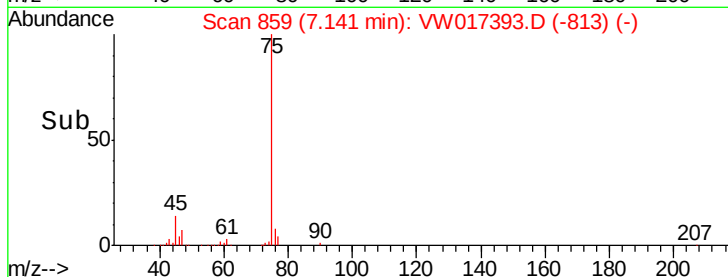
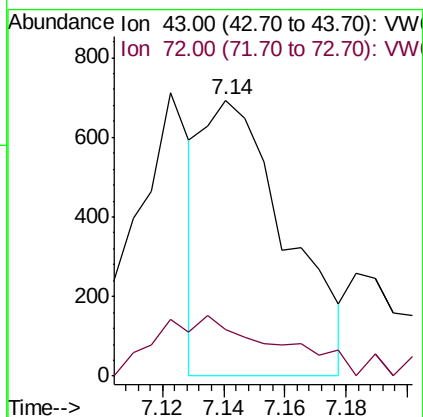
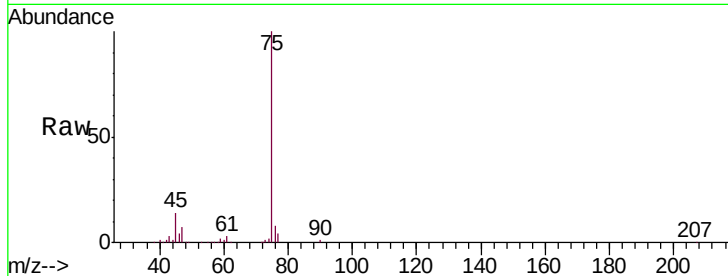
C0BD7

Tgt Ion: 43 Resp: 1316

Ion Ratio Lower Upper

43 100

72 25.6 16.4 49.1



#35

Trichloroethene

Concen: 1.984 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.24 min

Lab File: VW017393.D

Acq: 20 Nov 2020 00:43

Tgt Ion: 95 Resp: 13992

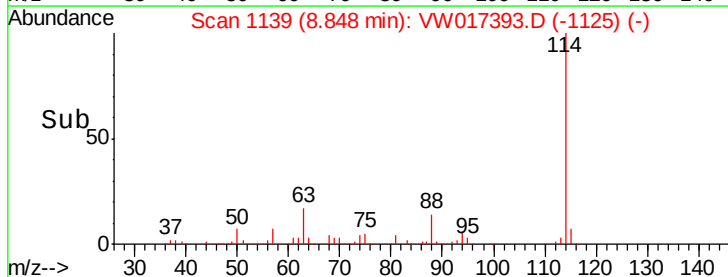
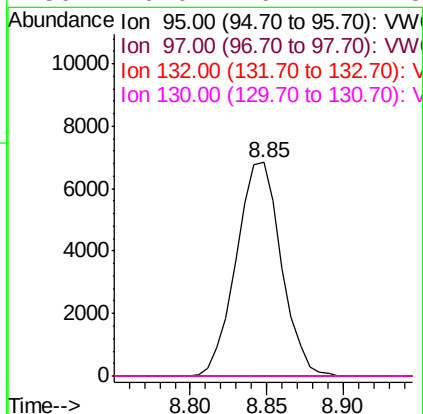
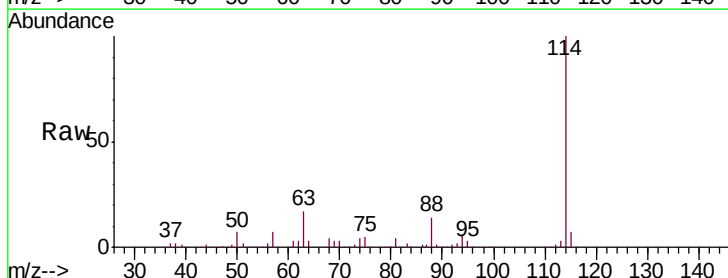
Ion Ratio Lower Upper

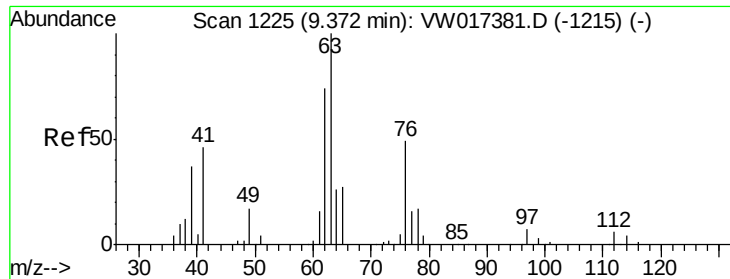
95 100

97 0.0 44.7 82.9#

132 0.0 72.7 134.9#

130 0.0 76.1 141.3#

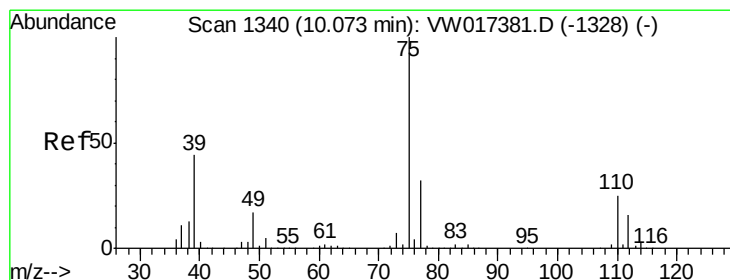
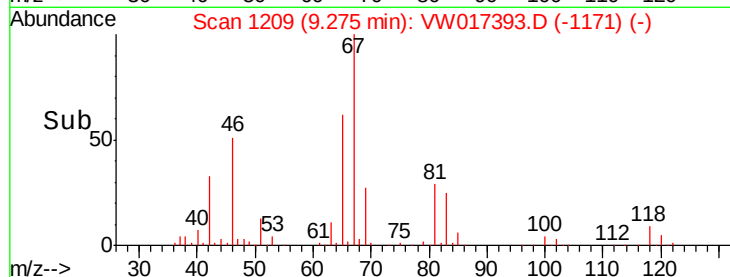
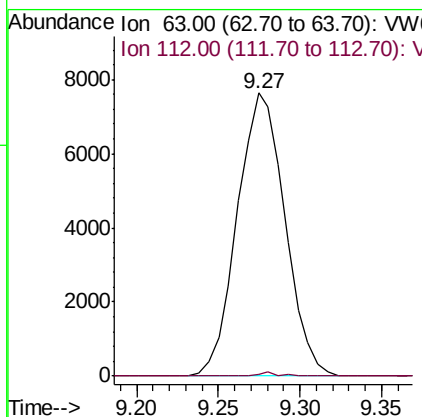
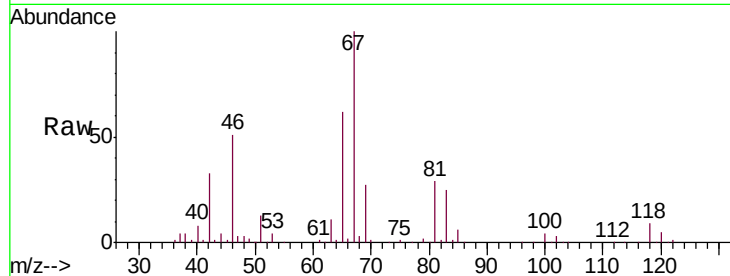




#40
 1,2-Dichloropropane
 Concen: 2.752 ug/L
 RT: 9.27 min Scan# 1209
 Delta R.T. -0.10 min
 Lab File: VW017393.D
 Acq: 20 Nov 2020 00:43

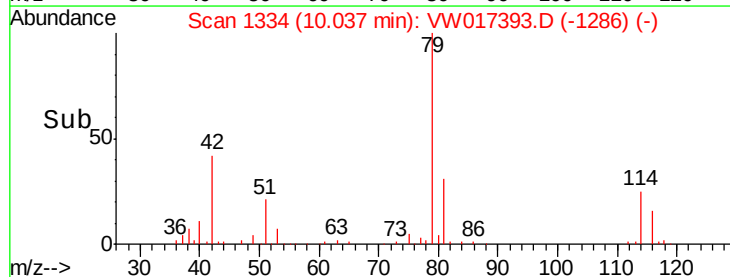
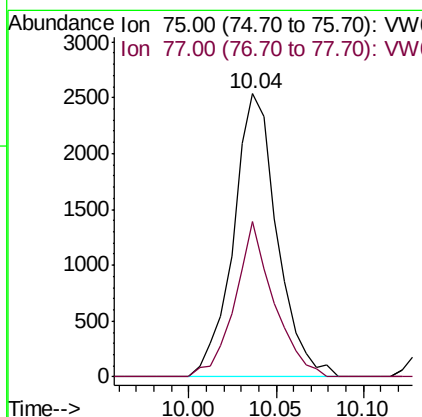
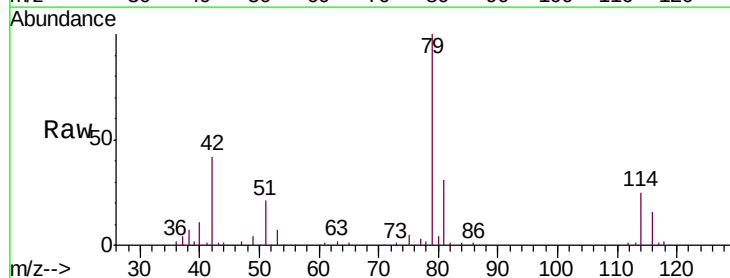
Instrument :
 MSVOA_W
 ClientSampled :
 C0BD7

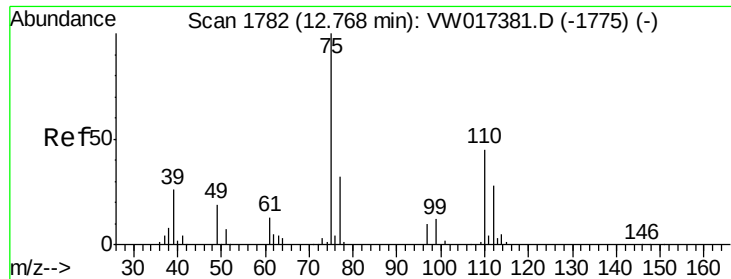
Tgt Ion: 63 Resp: 15523
 Ion Ratio Lower Upper
 63 100
 112 0.4 4.2 6.4#



#42
 cis-1,3-Dichloropropene
 Concen: 0.504 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW017393.D
 Acq: 20 Nov 2020 00:43

Tgt Ion: 75 Resp: 4408
 Ion Ratio Lower Upper
 75 100
 77 55.0 21.8 40.4#





#59

1,2,3-Trichloropropane

Concen: 6.001 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017393.D

Acq: 20 Nov 2020 00:43

Instrument :

MSVOA_W

ClientSampleId :

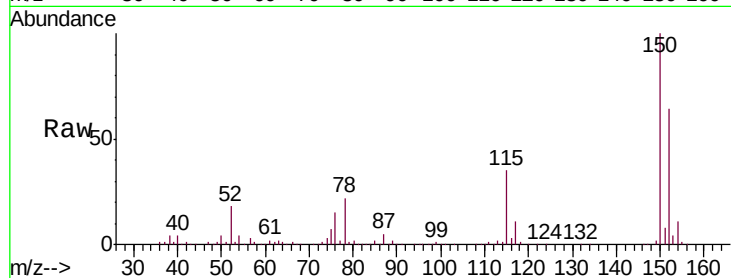
C0BD7

Tgt Ion: 75 Resp: 20857

Ion Ratio Lower Upper

75 100

77 32.9 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

